

City of Cambridge, Massachusetts

Geographic Information System



Data and Map Products

March 10, 2003

To Place an order for digital GIS data:

1. Read the GIS data information available at <http://gis.cambridgema.gov>.
2. Fill in the “Data Request Form”.
3. Sign the “Data Release Agreement”.
4. Return the Data request Form and Data Release Agreement to the City of Cambridge, MIS Department. Mark the envelope GIS data request. You can also alternatively fax or email this information the GIS Department:
 1. Fax: 617-349-6165
 2. Phone: 617-349-6192
 3. Email: gis@ci.cambridge.ma.us
5. Upon the receipt of a check made payable to the “City of Cambridge”, the data will be compiled and dispatched to the contact person listed on the Data Request Form.

GIS Data Information



1. Planimetrics information data was prepared through the use of Photogrammetric methods from aerial photography dated March 29, 1995. This information meets ASPRS Standards for 1"=100' Class 1 Map accuracy.
2. All data has been projected to the Stateplane grid coordinate system, Zone 4151, Datum NAD83 and Units feet.
3. Coordinate Datum: NAD-83 Massachusetts Coordinate System, Mainland Zone
4. Vertical Reference Datum: NAVD-88
5. Real Property information is compiled from existing Assessor's Tax maps. Users of this data are hereby notified that the aforementioned public primary information sources should be consulted for verification of all data.
6. Water pipe distribution information was compiled from source maps named "*City of Cambridge Plans of Water Distribution System 1995 - From Original Plans - 1959, Scale 1"=100'*". These source documents are located at the Cambridge Water Department. Source documents were maintained at scales ranging from 1" = 20' to 1" = 100'.
7. Sewer pipe and storm drain information was compiled from source maps named "*City of Cambridge Existing Sewer and Storm Drain Systems*" maintained at the Department of Public Works. These maps were maintained at a scale of 1" = 100'.
8. All City of Cambridge data has been compiled for display at either 1"=100 feet or 1"=50'.

GIS Products Price List

Digital Data

March 10, 2003



All GIS data layers and INFO lookup tables are in ArcInfo 7.x uncompressed export format. Vector data can also be requested as ArcView shapefile or AutoCAD DXF files. Images are provided in LAN format. Custom areas are clipped map areas that are smaller than 24,000,000-sq. ft., custom map areas larger than this will be priced at the citywide layer price.

Item	Description	Citywide Area
Digital Images	Orthophotographs 4 foot resolution	\$75.00/cd
	Orthophotographs 2 foot resolution	\$75.00/cd
	Orthophotographs 1 foot resolution	\$75.00/cd
Data Layers	Arc/Info format	\$75.00
	Arcview shapefile format	\$75.00
	Autocad DXF format	\$75.00
INFO Tables	ArcInfo Look up tables	\$75.00

Please Note:

The City reserves the right to deny requests for custom maps or custom data products. Every effort will be made to meet map and data requests within 10 working day period.

GIS Products Price List

Hardcopy Maps

March 10, 2003



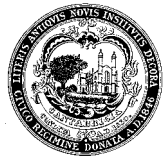
Map Category	Map Size in Inches	Prices
Orthophoto Map	Any Size	\$20.00
Large	36x72	\$15.00
	36x60	\$15.00
Medium	24x36	\$10.00
	22x36	\$10.00
	25x31	\$10.00
Tabloid	11x17	\$5.00
Letter	8.5x14	\$2.00
	8.5x11	\$2.00

- Students from the educational institutions should ask their departments heads to sign the Data Release Agreement and send it to the City of Cambridge.
- A number of free map products are available on the City of Cambridge

Please Note:

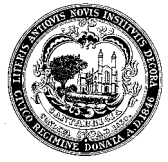
The City reserves the right to deny requests for custom maps or custom data products. Every effort will be made to meet map and data requests within 10 working day period.

Summary of GIS Data Layers



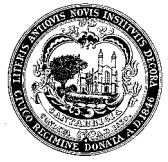
Data Group	Data Layer Name	Description	Features
Planimetric	Building	Building Footprints	Residential
			Industrial
			Commercial
			Institutional
			Municipal
			Subway
			Head-House
	Facility	Facility point	Manholes
			Fire Hydrants
			Catch Basins
			Street Lights
			Traffic Signals
			Parking Meters
			Communication Towers
			Bus Shelters
	Hydro	Water Bodies	Reservoir
			Lake
			River
			Swamp
	Majtrans	Major Transportation	Paved Roads
			Unpaved Roads
			Alley
			Ramp
	Mintrans	Minor Transportation	Back edge of sidewalk
			Public Footpaths
			Edge of driveways
	OPS	Open Space	City Parks & Playgrounds
			MDC Property
			School Playgrounds
			Private Open Space
			Cemeteries
			Urban Plazas
			Traffic Islands
			Youth Centers
			Community Pools
			Golf Course

Continued.....



Data Group	Data Layer Name	Description	Features
	Rail	Rail Line	Elevated At-Grade Abandoned Subway
	Road-CL	Road Centerline	Paved Road Unpaved Road Alley Ramp
Topographic	DTM	Spot Elevations	Mass and Break Points
	Contour	Contour Elevations	
Tax	Parcel	Land Parcels	Parcel Road Utility ROW Rail; road ROW Misc. ROW Hydro
	Parcline	Easements	
	Pcindex	Tax map index	Map Number
	Citybdy	City Boundary	
Political	Conserv	Historical Conservation Districts	
	Historic	Historic Sites	
	Zoning	city Zoning	
	Lines/Polygons		
Miscellaneous	Grid50F	Map Grid	
	Grid250F	Map Grid	
	Control	Control Points	
Orthophotograph	Ortho1	Color Orthophotographs	1 Foot Pixel
	Ortho2		2 Foot Pixel
	Ortho4		4 Foot Pixel

Continued.....



Data Group	Data Layer Name	Description	Features
Sewer	Sewer	Sewer Lines	Combined
			Sanitary
			Storm
			Culvert
			Status
			Material
			Size
			Elevation
	Sewer	Sewer Nodes	Combined
			Sanitary
			Storm
			Manhole
			Manhole with regulator
			Cs overflow
			Stormwater Outfall
			Weir
	Sewer	Points	Flow Direction
	Swstructure	Sewer Structures	
	Swindex	Sewer Map Index	Map Number
Water	Water	Water lines	City main
			Service Lines
			Hydrant Line
			MWRA main
			material
			Size
			Year
			Condition

Continued.....



Data Group	Data Layer Name	Description	Features
	Water	Nodes	Valve
			Hydrant
			Capped Line
			Reducer/Expander
			Dead End
	Wtindex	Water Map Index	Old water map number
	Wtleak	Water Leak Locations	

Shaded boxes indicate that this data is not available for purchase. Please contact the MIS Department for further information about these data layers

GIS Department Contact Information

Address: 831 Massachusetts Avenue, Cambridge MA 02139

Telephone: 617-349-4140

Fax: 617-349-6165

Email: gis@ci.cambridge.ma.us

Digital Data Request Form



Note: Payment is due prior to compilation and delivery of data. Make all checks payable to “The City of Cambridge”

Organization:	
Invoice to:	
Telephone:	
Fax:	
Date:	

GIS Data Layers – Select layers to purchase

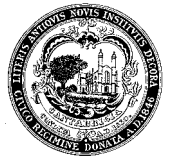
- | | | | |
|-----------------------------------|---|-----------------------------------|----------------------------------|
| <input type="checkbox"/> Building | <input type="checkbox"/> Facility | <input type="checkbox"/> Openspc | <input type="checkbox"/> Sewer |
| <input type="checkbox"/> Citybdy | <input type="checkbox"/> Grid (100 scale) | <input type="checkbox"/> Parcline | <input type="checkbox"/> Swindex |
| <input type="checkbox"/> Conserv | <input type="checkbox"/> Historic | <input type="checkbox"/> Pcindex | <input type="checkbox"/> Water |
| <input type="checkbox"/> Contour | <input type="checkbox"/> Hydro | <input type="checkbox"/> Parcel | <input type="checkbox"/> Wtleak |
| <input type="checkbox"/> Control | <input type="checkbox"/> Majtrans | <input type="checkbox"/> Rail | <input type="checkbox"/> Wtindex |
| <input type="checkbox"/> DTM | <input type="checkbox"/> Mintrans | <input type="checkbox"/> Road-cl | |
| | | <input type="checkbox"/> Zoning | |

Data Formats – Select format

- ☐ Arc/Info Coverages (export format)
- ☐ ArcView Shapefiles
- ☐ AutoCAD DXF file

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City of Cambridge, MA. GIS Data Release Agreement



1. The City of Cambridge provides Geographic Information Systems (“GIS”) data in good faith. The City makes no warranty in regard to the data whatsoever, including, but not limited to, a warranty of the accuracy of the data. The party requesting the data (hereafter “Requester”) agrees that the City has no liability arising from any incomplete, incorrect, inaccurate or misleading data provided.
2. The City makes no warranties of fitness or merchantability either express or implied in regard to the data provided to the Requester hereunder. The data provided are provided “as is” and with all faults.
3. The Requester will have no claims to data updates.
4. The Requester shall indemnify and hold harmless the City and its officers, employees and agents from and against all losses, claims, demands, actions, payments, costs, suits, liabilities, including attorney’s fees, expenses and damages (direct or consequential) whether or not caused by the negligence of the City, its officers, employees or agents, which are incurred by or recovered against the City for any reason whatsoever arising out of or relating to this Agreement, or the data, or to any use to which the Requester might put the data.

The Requester acknowledges that he/she has read this agreement, understands it and agrees to be bound by its terms and conditions.

Signature

Printed Name:

Company:

Address:

Dated: